

		MAINTENANCE STANDARD FORM ADDITIONAL WORK REQUEST		SERIAL NO: <u>SP-118</u> DATE REC'D: _____																																																																			
SECTION 1 ORIGINATOR	A) WORK CLASSIFICATION TIME PERIOD Before TA Exe <u>AWR</u> EQUIP. GROUP Rotating WORK GROUP TA CHANGE TYPE Change Scope EQUIP. TYPE Extruder LATE REQ BASIS Task Sched Missed ORIGINATED BY Reliability																																																																						
	B) WORK VALIDATION/JUSTIFICATION BUSINESS DRIVER Reliability RISK SEVERITY Broken/Repair Required RISK LIKELIHOOD BEFORE Next TA RISK SUMMARY B - Medium EQUIP. SPARED? No JUST'N BASIS Historical Data DRIVER VALIDATION On August 21, 2020, Unit-43 Extruder was forced shutdown due to power dip, and later the G.B axial T2-bearing damage after the two failed startup attempts. Thus, the unit was turned over to the Maintenance team for inspection and repair which revealed severe damage on T2-bearing causing number of G.B and Extruder components defects. Furthermore, gearbox T-2 bearing bridge was defected due to the bearing failure. After a technical review and analysis it was decided to re-sleeve the current bridge after machining the inner diameter of the bridge to restore bore alignment with other bearings. SPARED VALIDATION N.A																																																																						
	C) GENERAL INFORMATION OPR GROUP SPCO_SP UNIT 43 SYSTEM EXTRUDER EQUIP. TAG 43X80 REQUEST DATE 14-Jun-2022 NOTIFICATION NO		D) PROCESS INFORMATION OPR PRESSURE NA kg/cm ² OPR TEMP NA °C MSDS NA P&ID NO NA PROC. STREAM NA Attach Red-Line document to form/package		E) MOC/PROJECT DETAIL MOC REQ'D? No # NA ENGR. REQ'D? No # NA NAME NA REL/INSP RPT? No # NA Attached any/all documents to form/package																																																																		
	F) DESCRIPTION OF PROPOSED ADDITIONAL SCOPE A machining tool shall be utilized to machine the bearing bridge bore followed by installing sleeve to compensate for the removed material from the bridge bore in order to have the required housing to outer race bearing fits. <u>Comment from TA Planning</u> ; Most of the activity would be parallel to original / initial overhaul scope. But while machining and re-installation of bearing bridge , we may see a12 hrs to 24 hrs maintenance additional activity only on gear box side. However overall start up scedule for the extruder Machine will not be changed. <u>added to SPCo-SP-2483</u>																																																																						
SECTION 2A TA COORDINATOR	A) VALIDATION PART VALIDATE TURNAROUND CRITERIA MET ? ☒ Yes ☐ No VALIDATE IS IT PROJECT / MOC ? ☐ Yes ☒ No TA Coordinator : <u>Chant</u> (Printed Name) (Signature & Date)																																																																						
	B) COST AND SCHEDULE IMPACT SCHED. IMPACT? Yes LONG LEAD MAT'L? No SETTLEMENT RULE TA WBS WORK ORDER NO. 4392083 WBS NO. WJM.NA0005.LDPE_RTI CMF NEEDED, No TA SCHEDULE/COST IN COMPLIANCE WITH TA PRACTICES? ☒ Yes ☐ No IMPACT DURATION 24 hrs. MAT'L DEL. DATE REQ RIR UPDATE No LABOR COST \$0 MATERIAL COST \$0 CONTRACTOR COST \$130,560 CONSUMABLES/FEEES \$7,834 TOTAL COST \$138,394 Lead Planner Muhammad Tariq Shah Planning Supt <u>A. Almad</u> (Printed Name) (Signature & Date)																																																																						
SECTION 3 REVIEW AND APPROVAL	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>POSITION</th> <th>NAME, PRINT</th> <th>APPROVED?</th> <th>SIGNATURE</th> <th>DATE</th> <th>COMMENTS</th> </tr> </thead> <tbody> <tr> <td colspan="6">A) SECTION 1</td> </tr> <tr> <td>Equip. Owner</td> <td>Bassam Al-Anazi</td> <td>☒ Yes ☐ No</td> <td>Bassam Al-Anazi</td> <td></td> <td></td> </tr> <tr> <td>Equip. Owner Manager</td> <td>Abdulhadi Al-Amri</td> <td>☒ Yes ☐ No</td> <td>Abdulhadi Al-Amri</td> <td></td> <td></td> </tr> <tr> <td>GRT Member</td> <td>Sultan Al-Sahli</td> <td>☒ Yes ☐ No</td> <td>Sultan Q Al-Sahli</td> <td></td> <td></td> </tr> <tr> <td colspan="6">B) SECTION 2</td> </tr> <tr> <td>Turnaround Manager</td> <td><u>Al-Bassam</u></td> <td>☒ Yes ☐ No</td> <td><u>Al-Bassam</u></td> <td>14-JUL-22</td> <td></td> </tr> <tr> <td colspan="6">C) FINAL APPROVAL</td> </tr> <tr> <td>Operations VP⁽¹⁾</td> <td></td> <td>☒ Yes ☐ No</td> <td><u>Owner</u></td> <td>18 July 22</td> <td></td> </tr> <tr> <td>Maintenance VP⁽¹⁾</td> <td></td> <td>☒ Yes ☐ No</td> <td><u>17/7</u></td> <td></td> <td></td> </tr> <tr> <td>Manufacturing SVP⁽¹⁾</td> <td></td> <td>☐ Yes ☐ No</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>					POSITION	NAME, PRINT	APPROVED?	SIGNATURE	DATE	COMMENTS	A) SECTION 1						Equip. Owner	Bassam Al-Anazi	☒ Yes ☐ No	Bassam Al-Anazi			Equip. Owner Manager	Abdulhadi Al-Amri	☒ Yes ☐ No	Abdulhadi Al-Amri			GRT Member	Sultan Al-Sahli	☒ Yes ☐ No	Sultan Q Al-Sahli			B) SECTION 2						Turnaround Manager	<u>Al-Bassam</u>	☒ Yes ☐ No	<u>Al-Bassam</u>	14-JUL-22		C) FINAL APPROVAL						Operations VP ⁽¹⁾		☒ Yes ☐ No	<u>Owner</u>	18 July 22		Maintenance VP ⁽¹⁾		☒ Yes ☐ No	<u>17/7</u>			Manufacturing SVP ⁽¹⁾		☐ Yes ☐ No			
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NOTE: 1 Required approval applicable if : *Exceed Class-II estimate. * Cost equal to/ exceeds \$300,000 and/ or duration of turnaround extended. 2 3 4																																																																							
GENERAL REFERENCE																																																																							

blesson, Abraham [c]

From: Al-Jamaan, Abdulaziz I
Sent: Sunday, June 19, 2022 12:06 PM
To: Martin, Chris; Al-Thawab, Hamad B
Cc: Al-Zahrani, Shaalan A; Jackson, Alaric; Al-Sulami, Mansour M; Habash, Mohammed M; Al-Anazi, Bassam H; Ahmad, Tariq T
Subject: FW: AWR for U43 Extruder Bridge Repair.xlsx
Attachments: AWR for U43 Extruder Bridge Repair.xlsx

Dear Chris,

Please find attached filled AWR.

Thank you & Best Regards,

Abdulaziz Ibrahim Al-Jamaan
Engineer III – Rotating Equipment
Technical - Reliability Department
T: +966-13-359-2612
T: +966-50-177-0767
E: JAMAAAI@SaudiChevron.com
P.O.Box 11221, Jubail Industrial City 31961



From: Al-Jamaan, Abdulaziz I
Sent: Thursday, June 16, 2022 12:22 PM
To: Martin, Chris <MARTICH@saudichevron.com>; Al-Thawab, Hamad B <thawahb@saudichevron.com>
Cc: Jackson, Alaric <JACKSA@saudichevron.com>; Habash, Mohammed M <HABASMM@saudichevron.com>; Al-Anazi, Bassam H <ANAZIBH@saudichevron.com>; Ahmad, Tariq T <SHAFMU@saudichevron.com>
Subject: RE: AWR for U43 Extruder Bridge Repair.xlsx

Hello Chris,

Sorry for the delay.
We will fill it and share it back with you maximum next Sunday.

From: Martin, Chris <martich@saudichevron.com>
Sent: Thursday, June 16, 2022 10:47 AM
To: Al-Thawab, Hamad B <thawahb@saudichevron.com>; Al-Jamaan, Abdulaziz I <JAMAAAI@saudichevron.com>
Cc: Jackson, Alaric <JACKSA@saudichevron.com>; Habash, Mohammed M <habasmm@saudichevron.com>; Al-Anazi, Bassam H <ANAZIBH@saudichevron.com>; Ahmad, Tariq T <SHAFMU@saudichevron.com>
Subject: RE: AWR for U43 Extruder Bridge Repair.xlsx

Friendly reminder for this AWR. Please respond as soon as possible so we can secure Coperion for this activity.

Chris